

To: Barbara Quinn [Personal Privacy / Ex. 6]
Cc: Doug Larson [Personal Privacy / Ex. 6]; Dan Hafley
(HAFLEY.Dan@deq.state.or.us)[HAFLEY.Dan@deq.state.or.us]; Conley,
Alanna[conley.alanna@epa.gov]
From: Sheldrake, Sean
Sent: Tue 2/24/2015 10:59:08 PM
Subject: RE: Diesel truck question

Hi Barbara,

Thanks for your question. It's funny I was just talking to Dan Hafley, the ODEQ project manager about this very issue. I asked ODEQ to consider these things (and Dan mentioned he had already suggested many of these steps and considerations to the Port) that we'll take into account for the harbor cleanup too:

- Can newer model vehicles be used with full emissions controls (tier 4 engines)?
- Can the vehicles be retrofitted with filters (diesel oxidation, diesel multistage filter, etc.)
- Ultra low sulfur is required by law for all on road vehicles. Can some amount of biodiesel be blended with ultra low sulfur fuel, e.g. a standard B20 mix (this reduces particulate matter (PM) pm 10/pm 2.5 particulate in the haul route by about 20%).
- What is the best route to haul materials?

For the broader cleanup of the river, this will also include considering switching to rail and barge where possible to reduce overall green house gas and other emissions.

Here's the region 10 policy on greening our cleanups:

<http://yosemite.epa.gov/R10/extaff.nsf/programs/greencleanups>

Essentially, the job of the ROD will be to select a cleanup (the FS will have a lot of options or "menu" of greening examples), then during design we'll need to require "greening" methods for the selected remedy. As many companies incorrectly assume—capping contaminated material instead of removing it isn't what EPA considers greening the remedy. That will be something we'll have to make very clear in the harborwide documents to avoid confusion.

I hope this is helpful.

Thank you.

S

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<http://yosemite.epa.gov/r10/cleanup.nsf/sites/ptldharbor>

<http://www.epa.gov/region10/dive/>

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From: Barbara Quinn [Personal Privacy / Ex. 6]
Sent: Monday, February 23, 2015 8:02 PM
To: Sheldrake, Sean
Cc: Doug Larson
Subject: Diesel truck question

Hi Sean,

You mentioned at the last PHCAG meeting that the Port of Portland should consider mitigating

diesel fumes from the trucks that will be moving contaminated soil from the Willamette Cove area.

How would that be done? Could they use diesel filters to mitigate the fumes? Will they be using those when they do the Willamette clean up?

Barbara Quinn,

Portland Harbor Community Advisory Group

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